

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW011924\
 Data File : VW033742.D
 Acq On : 19 Jan 2024 08:52
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050379

Quant Time: Jan 19 22:15:59 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM011024WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jan 11 20:44:19 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	241583	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	222445	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	115110	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.282	65	83600	45.027	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.060%
7) Chloroethane-d5	1.529	69	66429	45.179	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.360%
11) 1,1-Dichloroethene-d2	2.060	65	38840	48.607	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.220%
21) 2-Butanone-d5	3.783	46	100676	79.054	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	79.050%
24) Chloroform-d	4.246	84	157053	47.306	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.620%
26) 1,2-Dichloroethane-d4	4.937	65	101255	47.203	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.400%
32) Benzene-d6	4.957	84	297799	47.091	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.180%
36) 1,2-Dichloropropane-d6	5.986	67	92431	44.403	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	88.800%
41) Toluene-d8	7.240	98	273643	48.025	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.040%
43) trans-1,3-Dichloroprop...	7.551	79	47809	46.471	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.940%
47) 2-Hexanone-d5	8.024	63	71385	82.673	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	82.670%
56) 1,1,2,2-Tetrachloroeth...	10.153	84	110755	41.677	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	83.360%
66) 1,2-Dichlorobenzene-d4	11.561	152	106303	48.674	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.340%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	97809	48.667	ug/L	100
3) Chloromethane	1.217	50	99758	43.651	ug/L	99
5) Vinyl chloride	1.285	62	104275	47.694	ug/L	100
6) Bromomethane	1.484	94	43410	37.991	ug/L	97
8) Chloroethane	1.545	64	63671	48.839	ug/L	100
9) Trichlorofluoromethane	1.712	101	149139	57.164	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	84477	54.959	ug/L	97
12) 1,1-Dichloroethene	2.069	96	77601	53.523	ug/L	98
13) Acetone	2.114	43	137993	113.330	ug/L	100
14) Carbon disulfide	2.243	76	243243	49.362	ug/L	99
15) Methyl Acetate	2.372	43	88418	44.407	ug/L #	100
16) Methylene chloride	2.449	84	85295	48.224	ug/L	96
17) trans-1,2-Dichloroethene	2.693	96	79284	48.954	ug/L	99
18) Methyl tert-butyl Ether	2.703	73	287474	49.353	ug/L	99
19) 1,1-Dichloroethane	3.111	63	161459	48.764	ug/L	99
20) cis-1,2-Dichloroethene	3.812	96	90233	50.060	ug/L	94
22) 2-Butanone	3.863	43	138514	93.663	ug/L	97
23) Bromochloromethane	4.143	128	45201	51.619	ug/L	88
25) Chloroform	4.275	83	160521	51.132	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	132592	50.567	ug/L	99
29) Cyclohexane	4.580	56	152078	48.495	ug/L	96
30) 1,1,1-Trichloroethane	4.510	97	146663	54.941	ug/L	98
31) Carbon tetrachloride	4.735	117	129769	56.952	ug/L	97
33) Benzene	5.008	78	334296	51.166	ug/L	100
34) Trichloroethene	5.831	95	89558	51.100	ug/L	97
35) Methylcyclohexane	6.050	83	150762	50.265	ug/L	98
37) 1,2-Dichloropropane	6.092	63	89520	49.791	ug/L	98
38) Bromodichloromethane	6.429	83	121338	51.590	ug/L	99
39) cis-1,3-Dichloropropene	6.950	75	146771	48.886	ug/L	99
40) 4-Methyl-2-pentanone	7.156	43	237411	89.118	ug/L	99
42) Toluene	7.313	91	356667	51.642	ug/L	98
44) trans-1,3-Dichloropropene	7.577	75	141825	51.261	ug/L	100
45) 1,1,2-Trichloroethane	7.767	97	82172	50.372	ug/L	99
46) Tetrachloroethene	7.905	164	69007	53.681	ug/L	98
48) 2-Hexanone	8.072	43	197251	92.923	ug/L	98
49) Dibromochloromethane	8.175	129	90228	53.107	ug/L	98
50) 1,2-Dibromoethane	8.281	107	86174	49.987	ug/L	97
51) Chlorobenzene	8.812	112	225786	51.322	ug/L	98
52) Ethylbenzene	8.944	91	409617	51.206	ug/L	98
53) m,p-Xylene	9.072	106	150394	50.925	ug/L	98
54) o-Xylene	9.477	106	148688	50.856	ug/L	99
55) Styrene	9.493	104	255800	50.676	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.178	83	118149	45.510	ug/L	100
59) Bromoform	9.664	173	64074	52.373	ug/L	98
60) Isopropylbenzene	9.866	105	403455	51.803	ug/L	99
61) 1,2,3-Trichloropropane	10.207	75	93841	45.935	ug/L	97
62) 1,3,5-Trimethylbenzene	10.474	105	344174	51.505	ug/L	99
63) 1,2,4-Trimethylbenzene	10.850	105	345348	51.868	ug/L	100
64) 1,3-Dichlorobenzene	11.117	146	184349	52.403	ug/L	99
65) 1,4-Dichlorobenzene	11.207	146	183723	52.085	ug/L	98
67) 1,2-Dichlorobenzene	11.580	146	182395	53.062	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.365	75	25945	44.011	ug/L	89
69) 1,3,5-Trichlorobenzene	12.583	180	141686	54.503	ug/L	100
70) 1,2,4-trichlorobenzene	13.197	180	126012	53.406	ug/L	99
71) Naphthalene	13.439	128	282335	45.792	ug/L	100
72) 1,2,3-Trichlorobenzene	13.680	180	118779	53.934	ug/L	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

